

Consider an array StrLetters() that contains the following:

StrLetters(1)	StrLetters(2)	StrLetters(3)
D	C	A

Comparing things in the array is indicated by yellow highlighting.

Three items (N=3)

DCA CDA CAD Pass 1

CAD ACD ACD Pass 2

Four items (N=4)

DCBA CDBA CBDA CBAD Pass 1, 3 compares
CBAD BCAD BACD BACD Pass 2, 3 compares
BACD ABCD ABCD ABCD Pass 3, 3 compares

In general, for N items, have N-1 passes and N-1 compares for each pass

This results in a double loop structure:

```
For pass = 1 to N-1
    for compare = 1 to N-1
        next
    next
next
```